

APPLICATION NO.

8TH FLOOR

ARLINGTON, VA 22201-4714

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PAPER NUMBER

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LICATION NO.	FI.	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/655,556	(	09/05/2003	Masahiro Takenaka	900-473	900-473 6415	
23117	7590	07/15/2004		EXAMINER		
NIXON &	VANDER	RHYE, PC		HU, SH	OUXIANG	
1100 N GL	EBE ROAL	)				

2811 DATE MAILED: 07/15/2004

ART UNIT

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)					
	10/655,556	TAKENAKA, MASAHIRO					
Office Action Summary	Examiner	Art Unit	,				
	Shouxiang Hu	2811	AN				
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the c	correspondence ad	dress				
A SHORTENED STATUTORY PERIOD FOR REPL' THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.1: after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period of Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be tin y within the statutory minimum of thirty (30) day vill apply and will expire SIX (6) MONTHS from , cause the application to become ABANDONE	nely filed s will be considered timely the mailing date of this co D (35 U.S.C. § 133).					
Status							
1) Responsive to communication(s) filed on							
2a) This action is FINAL. 2b) This	action is non-final.						
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
closed in accordance with the practice under E	Ex parte Quayle, 1935 C.D. 11, 45	53 O.G. 213.					
Disposition of Claims							
4) Claim(s) 1-11 is/are pending in the application.							
4a) Of the above claim(s) is/are withdraw	wn from consideration.						
5) Claim(s) is/are allowed.							
6) Claim(s) is/are rejected.							
7) Claim(s) is/are objected to.							
8) Claim(s) <u>1-11</u> are subject to restriction and/or	election requirement.						
Application Papers							
9) ☐ The specification is objected to by the Examine	r.						
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.							
Applicant may not request that any objection to the							
Replacement drawing sheet(s) including the correct							
11)☐ The oath or declaration is objected to by the Ex	caminer. Note the attached Office	Action or form PI	O-152.				
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. § 119(a)	)-(d) or (f).					
a) ☐ All b) ☐ Some * c) ☐ None of:							
1. Certified copies of the priority document	s have been received.						
2. Certified copies of the priority document	• •						
3. Copies of the certified copies of the prior	•	ed in this National	Stage				
application from the International Bureau	• • • • • • • • • • • • • • • • • • • •						
* See the attached detailed Office action for a list	or the certified copies not receive	ea.					
Attachment(s)							
1) Notice of References Cited (PTO-892)	4) Interview Summary	(PTO-413)					
2) D Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da		)-152\				
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	6) Other:	atent Application (FTC	-192)				

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## **DETAILED ACTION**

## Election/Restrictions

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
- I. Claims 6-11 drawn to a semiconductor device, classified in class 257, subclass 19 and 183+.
- II. Claims 1-5 drawn to a method of making a semiconductor device, classified in class 438, subclass 197+.
- 2. The inventions are distinct, each from the other because of the following reasons: Inventions II and I are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP '806.05(f)). In the instant case, the product as claimed can be made by another and materially different process, such as forming the semiconductor device by inducing ions through bulk doping or diffusion, instead of through implanting.
- 3. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, the search required for Group I is not required for Group II, and separated examination would be required, restriction for examination purposes as indicated is proper.

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4. Applicant is advised that the response to this requirement, to be complete, must

include an election of the invention to be examined even though the requirement may

be traversed (37 CFR 1.143).

5. Applicant is reminded that upon the cancellation of claims to a non-elected

invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one

or more of the currently named inventors is no longer an inventor of at least one claim

remaining in the application. Any amendment of inventorship must be accompanied by

a petition under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(I).

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Shouxiang Hu whose telephone number is 571-272-

1654. The examiner can normally be reached on Monday through Thursday, 7:30 AM

to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Eddie C. Lee can be reached on 571-272-1732. The fax phone number for

the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

SH July 13, 2004 Shousning Sly

> SHOUXIANG HU PRIMARY EXAMINED